

Exhibit A

Curriculum Vitae of Sandeep Chatterjee, Ph.D.
 Contact: sandeep@experantis.com (e-mail) +1 650-759-6523 (phone)

Professional Summary

Sandeep Chatterjee, Ph.D. is a seasoned technology expert and business professional with over 10 years of hands-on contributions as a thought leader, technologist, consultant, entrepreneur, and author. He is an expert in computer software systems, with particular emphasis on distributed systems and architectures, service-oriented architectures (SOAs) and Web Services, end-to-end security, quality-of-service (QoS), as well as mobile and wireless systems and applications. He is the author of a book on developing enterprise computing systems which has been adopted by over 100 universities worldwide and also by corporate customers.

Dr. Chatterjee has extensive experience in architecting, developing, optimizing, deploying and managing complex computing systems throughout the world, and technical expertise in developing enterprise-class applications using J2EE, XML, SOAP Web services, and mobile technologies. He has invented, architected, and led the development (product, QA, documentation) as well as the initial sales & marketing efforts for key eBusiness, mobile, Web services, and J2EE middleware products and solutions at Cyndeo, Satora Networks, Bluestone Software, and Hewlett-Packard.

Awards and Honors:

- Named a Young Global Leader for 2011 by the World Economic Forum for professional accomplishments, commitment to society and potential to contribute to shaping the future of the world.
- Doctoral dissertation at the Massachusetts Institute of Technology (MIT) was selected as one of the most important inventions in computing, and the invention is preserved and showcased in a time-capsule at the Museum of Science in Boston, Massachusetts.

Expertise

- | | |
|---|---|
| <ul style="list-style-type: none"> ▪ J2EE Application Servers ▪ Servlets/JSPs/EJBs ▪ Web Services & Service Oriented Architectures (SOAs) ▪ SOAP, WSDL, UDDI ▪ Portals & Portlets ▪ Optimized Mobile/Wireless Systems ▪ POS terminals, PDAs, Phones and other mobile devices ▪ Mobile & Wireless Data Comm. | <ul style="list-style-type: none"> ▪ Remote Transactions & Comm. ▪ Security & Authentication ▪ Financial Transactioning ▪ Programming Languages, including C, C++ & Java, and tools including JBuilder & IntelliJ ▪ Operating Systems, including Windows, Linux, Palm OS |
|---|---|

Education

<u>College or University</u>	<u>Degree</u>
Harvard University	Executive Education Program on Global Business Leadership
Massachusetts Institute of Technology	Ph.D., Computer Science
Massachusetts Institute of Technology	M.S., Computer Science
University of California at Berkeley	B.S., Electrical Eng & Computer Science

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Professional Experience

From: 2013
 To: present
 Organization: Experantis LLC
 Title: Chief Executive Officer
 Summary: Experantis LLC provides consultation and services in all facets of commercial litigation.

From: 2007
 To: 2013
 Organization: Shuv Gray LLC
 Title: Chief Executive Officer
 Summary: Shuv Gray LLC provides information technology and intellectual property consultation and services.

From: 2007
 To: 2012
 Organization: SourceTrace Systems, Inc.
 Title: Chief Technology Officer & Executive Vice President
 Summary: SourceTrace Systems is a leading vendor of end-to-end mobile and wireless distributed transactional systems for the financial services, agricultural commodities, and product distribution markets around the world.

From: 2004
 To: 2007
 Organization: Cyndeo LLC
 Title: Chief Executive Officer
 Summary: Founded Cyndeo to be a leading provider of enterprise integration and mobilization solutions as well as technology strategy consulting and outsourcing services to global corporations, government agencies, and major not-for-profit organizations. Cyndeo provides consulting, software engineering development, and management services to companies and organizations of all sizes, from Fortune Global 100 corporations to small organizations in developing countries.

From: 2001
 To: 2002
 Organization: Hewlett-Packard (Palo Alto, CA)
 Title: Senior Member of Technical Staff
 Summary: Independently identified a need in the mobile and e-Business marketplace for a more flexible Web Services platform. Invented a patent-pending (applied) solution, and led the development as well as the initial sales and marketing efforts.

- This next-generation J2EE (HP/Bluestone app server) Web Services solution ties together the emerging Web Services standards, end-to-end transactions, and optimized mobile services & applications.
- Led and managed the entire lifecycle of the product from conception, architectural design, product development, QA, documentation, senior management approval,

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patent filing, preparation for marketing launch at JavaOne, as well as interfacing with early adopter customers and strategic partners.

- Managed relationships with multiple HP organizations and teams that contributed to the overall solution.
- Positioned the product, targeted key early adopters and partners, and leveraged my own contacts to build successful strategic relationships.
- Selected to provide support to HP/Bluestone's top sales manager, and helped land a strategic account in the Asia-Pac market.
- Selected as the representative for Hewlett Packard to the JSR 172 Expert Group that is defining the worldwide standard for J2ME mobile Web Services.

From: 1999
 To: 2000
 Organization: Satora Networks
 Title: Founder & Chief Technology Officer
 Summary: Founded Satora Networks to create wireless platforms and services for Internet devices based on the technologies invented by Dr. Chatterjee as part of his Ph.D. research at MIT Lab for Computer Science.

- Raised venture funding, recruited the management and core engineering teams, set corporate and product strategy, handled customer and partner relations, and managed overall corporate affairs.
- Architected and led the development of the StrongARM-based mobile hardware platform, Linux-based mobile OS, client-side services, and server-side J2EE environment.
- Landed key customer and partner wins, managed revenue and burn rate to become profitable early on, and oversaw the growth of the company.

From: 1995
 To: 2001
 Organization: MIT Lab for Computer Science
 Title: Doctoral Researcher
 Summary: Designed a modular system architecture that supports the cost-effective development of network devices and services. The system consists of Lego-like commodity hardware and standards-based software components that are quickly composed together through a development environment into optimized end-user devices as well as client-side services.

- Architected and implemented the entire system: a Linux-based client software environment, a wireless network and StrongARM processor-based device hardware platform, as well as a Web-based design and optimization environment and tool.
- Successfully mentored and managed a research group of 6 Masters and Bachelors students.
- The technology underlying Dr. Chatterjee's thesis was selected as one of the top inventions in thirty-five year history of MIT Laboratory for Computer Science.

From: 1997
 To: 1999
 Organization: FidelityCAPITAL (Boston, MA)

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Title: Entrepreneur-In-Residence
 Summary: Worked with Fidelity senior management and FidelityCAPITAL partners to source, analyze, and fund technology start-ups strategic to Fidelity interests.

- Evaluated business plans submitted to Fidelity for venture funding, and analyzed emerging market and technology trends to identify opportunities for internal spin-offs in the telecom and eBusiness spaces.
- Founded and served as President & CTO of a wireless devices and services company (Satora Networks) that was seed funded by Fidelity.

Litigation Support Experience

Expert Engagement:

Type of Matter: Enterprise Software Patent Infringement
 Law Firm: Morrison & Foerster
 Case Name: Software AG and Software AG v. BEA Systems
 Services Provided: Retained as BEA's expert; submitted two expert reports; deposed twice; prepared for trial (exhibits, testimony, cross examination).
 Disposition: Settled
 Date: 2004

Expert Engagement:

Type of Matter: Enterprise software intellectual property litigation.
 Law Firm: Morrison & Foerster
 Case Name:
 Services Provided: Consultant to attorney
 Disposition: Settled
 Date: 2004-2005

Expert Engagement:

Type of Matter: Mobile software intellectual property litigation.
 Law Firm: Perkins Coie
 Case Name: Esmertec v. Tao Group
 Services Provided: Retained as Esmertec's expert; submitted two expert reports.
 Disposition: Settled
 Date: 2006

Expert Engagement:

Type of Matter: Enterprise and mobile software intellectual property litigation.
 Law Firm: McDermott Will & Emery
 Case Name: Metrologic Instruments v. Symbol Technologies
 Services Provided: Consultant to attorney
 Disposition: Settled
 Date: 2006-2007

Expert Engagement:

Type of Matter: Distributed and mobile computing trade secret litigation.
 Law Firm: Haralson, Miller, Pitt, Feldman & McAnally
 Case Name: Modular Mining Systems (Komatsu Ltd.) v. Jigsaw Systems et al.

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Services Provided:	Retained as Modular's expert; submitted two expert reports; deposed.
Disposition:	Summary judgment
Date:	2006-2008

Expert Engagement:

Type of Matter:	Distributed systems, mobile computing and object oriented programming intellectual property litigation.
Law Firm:	Kirkland & Ellis

Case Name:	
Services Provided:	Consultant to attorney
Disposition:	Settled
Date:	2007

Expert Engagement:

Type of Matter:	Communications software and systems intellectual property litigation.
Law Firm:	Carey Rodriguez Greenberg & Paul
Case Name:	Catch Curve v. Venali
Services Provided:	Retained as Venali's expert; submitted two expert reports
Disposition:	Summary judgment
Date:	2008

Expert Engagement:

Type of Matter:	Distributed computing and network routing systems intellectual property litigation.
Law Firm:	Vinson & Elkins
Case Name:	WebXChange v. Dell
Services Provided:	Consultant to attorney
Disposition:	Summary judgment
Date:	2008-2010

Expert Engagement:

Type of Matter:	Communications systems intellectual property litigation.
Law Firm:	Kirkland & Ellis
Case Name:	Motorola, Inc. et al. v. Rembrandt Technologies, LP
Services Provided:	Retained as plaintiff's expert; submitted expert report
Disposition:	Settled
Date:	2009

Expert Engagement:

Type of Matter:	Database and object mapping intellectual property litigation.
Law Firm:	Kirkland & Ellis
Case Name:	DataTern v. United Airlines
Services Provided:	Consultant to attorney
Disposition:	Settled
Date:	2009

Expert Engagement:

Type of Matter:	Control systems intellectual property litigation.
Law Firm:	Morgan Lewis & Bockius
Case Name:	Finisar v. Source Photonics

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Services Provided: Consultant to attorney; source code review;
Disposition: Settled
Date: 2010

Expert Engagement:

Type of Matter: Mobile systems intellectual property litigation.
Law Firm: Agility IP
Case Name: MShift v. Digital Insight
Services Provided: Retained as MShift's expert; wrote two expert reports;
Disposition: Summary judgment
Date: 2010

Expert Engagement:

Type of Matter: Mobile systems intellectual property litigation.
Law Firm: Morgan Lewis & Bockius
Case Name: OpenWave v. 724 Solutions
Services Provided: Consultant to attorney
Disposition: Settled
Date: 2010

Expert Engagement:

Type of Matter: Mobile systems intellectual property litigation.
Law Firm: Winston Strawn
Case Name: Ganas v. Charles Schwab et al
Services Provided: Consultant to attorney
Disposition: Settled
Date: 2011

Expert Engagement:

Type of Matter: Mobile systems intellectual property litigation.
Law Firm: Drinker Biddle
Case Name: De Lage Landen Operational Services v. Third Pillar Systems
Services Provided: Consultant to attorney
Disposition: Settled
Date: 2011

Expert Engagement:

Type of Matter: Mobile systems trade secret misappropriation litigation.
Law Firm: Berliner Cohen
Case Name: Damodharan Ulagaratchalan v Dhyam Infotech
Services Provided: Consultant to attorney
Disposition: Settled
Date: 2011

Expert Engagement:

Type of Matter: Control systems intellectual property litigation.
Law Firm: Morgan Lewis & Bockius
Case Name: Finisar v. Oplink
Services Provided: Consultant to attorney; source code review
Disposition: Settled

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Date: 2011

Expert Engagement:

Type of Matter: Mobile systems intellectual property litigation.
 Law Firm: Ropes & Gray
 Case Name: Motorola Mobility v. Microsoft
 Services Provided: Consultant to attorney
 Disposition: Settled
 Date: 2011-2012

Expert Engagement:

Type of Matter: Mobile systems intellectual property litigation.
 Law Firm: Jeffer Mangels Butler & Mitchell
 Case Name: EMG Technology v. Radio Shack Corp. et al
 Services Provided: Consultant to attorney; source code review
 Disposition: Settled
 Date: 2012

Expert Engagement:

Type of Matter: Wireless networking & management intellectual property litigation.
 Law Firm: Kirkland & Ellis
 Case Name: Netgear v. Ruckus Wireless
 Services Provided: Retained as Netgear's expert; source code review
 Disposition: Adjudicated
 Date: 2012-2013

Expert Engagement:

Type of Matter: Mobile systems intellectual property litigation.
 Law Firm: Morgan Lewis & Bockius
 Case Name: XpertUniverse v. Cisco Systems
 Services Provided: Retained as Cisco's expert; submitted expert report; source code review; deposition; trial
 Disposition: Adjudicated
 Date: 2012-2013

Expert Engagement:

Type of Matter: Distributed computing systems contract litigation.
 Law Firm: Berliner Cohen
 Case Name: Skillnet Solutions v. Entertainment Publications
 Services Provided: Retained as Entertainment's expert
 Disposition: Dismissed
 Date: 2013

Expert Engagement:

Type of Matter: Mobile systems intellectual property litigation.
 Law Firm: Mayer Brown
 Case Name: Aeritas v. US Airways, Inc., Delta Airlines, Inc., Alaska Air Group
 Services Provided: Retained as the airlines' expert; submitted 3 expert reports; source code review; depositions
 Disposition: Settled

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Date: 2013

Expert Engagement:

Type of Matter: Distributed systems intellectual property litigation.
 Law Firm: Ropes & Gray
 Case Name: Wellogix v. ADP et. al.
 Services Provided: Retained as ADP's expert
 Disposition: Stayed
 Date: 2013

Expert Engagement:

Type of Matter: Trade secret misappropriation litigation.
 Law Firm: Heritage Law Group
 Case Name: Bradford Technologies v. NCV Software et al.
 Services Provided: Retained as Bradford's expert; submitted expert report
 Disposition:
 Date: 2013

Expert Engagement:

Type of Matter: Contract dispute litigation.
 Law Firm: Morgan Lewis & Bockius
 Case Name: AMC Technologies v. Cisco Systems
 Services Provided: Retained as Cisco's expert; submitted expert report; deposition
 Disposition: Settled
 Date: 2013

Expert Engagement:

Type of Matter: Trade secret misappropriation litigation.
 Law Firm: Lexanalytica
 Case Name: PQ Labs v. Qi et. al.
 Services Provided: Retained as defendants' expert; source code review; deposition
 Disposition:
 Date: 2013

Expert Engagement:

Type of Matter: Distributed systems and security intellectual property litigation.
 Law Firm: Troutman Sanders
 Case Name: Media Rights Technologies, Inc. v. Capital One Financial Corporation
 Services Provided: Retained as defendants' expert; source code reviews; expert reports; declaration
 Disposition: Adjudicated
 Date: 2013

Expert Engagement:

Type of Matter: Distributed systems intellectual property litigation.
 Law Firm: Antonelli, Harrington & Thompson LLP
 Case Name: MacroSolve, Inc. v. GEICO Insurance Agency, Inc. et al
 Services Provided: Retained as plaintiff's source code expert
 Disposition: Concluded
 Date: 2013

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Expert Engagement:

Type of Matter: Distributed computing intellectual property litigation.
 Law Firm: Rothwell, Figg, Ernst & Manbeck, P.C.
 Case Name: SecureBuy v. CardinalCommerce
 Services Provided: Retained as plaintiff's expert; inter partes review; declarations
 Disposition:
 Date: 2013

Expert Engagement:

Type of Matter: Distributed computing intellectual property litigation.
 Law Firm: Mayer Brown LLP
 Case Name: American Airlines, Inc. et al. v. Loyalty Conversion Systems Corporation
 Services Provided: Retained as the airlines' expert; covered business method petitions; declarations
 Disposition:
 Date: 2014

Expert Engagement:

Type of Matter: Mobile computing and security intellectual property litigation.
 Law Firm: Dickstein Shapiro, LLP
 Case Name: Tierra Intellectual Borinquen, Inc. v. Toshiba Corporation et. al.,
 Services Provided: Retained as defendants' expert; declaration
 Disposition:
 Date: 2014

Non-Litigation Consulting Projects

Consulting Engagement:

Type of Matter: Enterprise software architecture and development
 Client: Sevak Solutions, Inc.
 Services Provided: Architect, specify, and develop enterprise-class software for secure financial transactioning in multiple markets and countries around the world
 Date: 2005-2006

Consulting Engagement:

Type of Matter: Enterprise software architecture and development
 Client: United States Agency for International Development (USAID)
 Services Provided: Specify and develop financial transactioning and tracking software
 Date: 2004-2005

Consulting Engagement:

Type of Matter: Training services
 Client: South Korean Ministry of Information and Communications
 Services Provided: Conducted a workshop to train selected university professors and corporate researchers on properly using mobile and distributed technology for strategic and financial growth.
 Date: 2004

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Consulting Engagement:

Type of Matter: Product and service strategy and development
 Client: Hewlett-Packard Company
 Services Provided: Analyze market opportunities for new, market-specific technology product and service offerings
 Date: 2004

Consulting Engagement:

Type of Matter: Mobile enterprise software
 Client: ACCION International
 Services Provided: Specified, architected, and developed a mobile enterprise software system for optimizing wireless transactioning.
 Date: 2003

Consulting Engagement:

Type of Matter: Market, technology and services strategy development
 Client: Hewlett-Packard Laboratories
 Services Provided: Analyzed multiple country-specific market needs and opportunities, and proposed technology and service offerings
 Date: 2003

Professional Affiliations, Achievements & Awards

- Named a Young Global Leader for 2011 by the World Economic Forum for professional accomplishments, commitment to society and potential to contribute to shaping the future of the world.
- Doctoral dissertation at the Massachusetts Institute of Technology (MIT) was selected as one of the most important inventions in computing, and the invention is preserved and showcased in a time-capsule at the Museum of Science in Boston, Massachusetts.
- Member of the JSR 172 Expert Group that defined the worldwide standard for mobile Web services.
- Invited by the South Korean Government and the Ministry of Information and Communications to deliver a workshop in Seoul, South Korea on Mobile and Enterprise Web Service Computing with the objective of making South Korean companies and universities more globally competitive.

Publications

1. Chatterjee, Sandeep, Electronic Services Anywhere: Concepts and Best Practices (Pearson Education 2010)
2. Chatterjee, Sandeep and Webber, James, Developing Enterprise Web Services: An Architect's Guide (Pearson Education Korea Ltd. and Hong Reung Science Pub. Co. 2005), Korean Trans.
3. Chatterjee, Sandeep and Webber, James, Developing Enterprise Web Services: An Architect's Guide (Prentice Hall 2004).
4. Chatterjee, Sandeep and Webber, James, Developing Enterprise Web Services: An Architect's Guide (Pearson Education Singapore Pvt. Ltd. 2004), Indian Reprint.

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5. Chatterjee, Sandeep, "Enterprise Technology: Web Services: The Next Revolution in IT," in *Dataquest* (March 2004).
6. Chatterjee, Sandeep, "Enterprise 2004 Trends: On A Cautious Note," *Dataquest* (Feb. 2004).
7. Chatterjee, Sandeep, "A Real-World Web Services-Based Application," *JavaBoutique* (http://javaboutique.internet.com/articles/WSApplications/realWorld3_1.html).
8. Chatterjee, Sandeep, "Write Once, Run Anywhere Web Services," *JavaBoutique* (http://javaboutique.internet.com/articles/WSApplications/realWorld2_1.html).
9. Chatterjee, Sandeep, "Developing Real World Web Services-Based Applications," *JavaBoutique* (<http://javaboutique.internet.com/articles/WSApplications/>).
10. Chatterjee, Sandeep, Doctoral Thesis Dissertation, "Composable System Resources As An Architecture For Networked Systems," Massachusetts Institute of Technology (2001).
11. Keckler, Stephen W., Chang, Andrew, Lee, Whay Sing, Chatterjee, Sandeep, and Dally, William J., "Concurrent Event Handling Through Multithreading," *IEEE Trans. Computers* 48(9), pages 903-916 (1999).
12. Chatterjee, Sandeep and Devadas, Srinivas, "MASC Composable Computing Infrastructure For Intelligent Environments," *Proceedings of the Industrial Electronics Conference*, pages 132-138 (1999).
13. Chatterjee, Sandeep, "SANI: A Seamless and Non-Intrusive Framework and Agent for Creating Intelligent Interactive Homes," *Second International Conference on Autonomous Agents*, pages 436-440 (1998).
14. Chatterjee, Sandeep, "Towards A MASC Appliances-Based Educational Paradigm," *ACM Symposium on Applied Computing*, pages 112-116 (1998).
15. Chatterjee, Sandeep, "Towards Rapidly Deployable Intelligent Environments," *American Association for Artificial Intelligence Symposium on Intelligent Environments*, pages 31-36 (1998).
16. Chatterjee, Sandeep, "The ModuleC Network Architecture: A Novel Approach Of Computing Through Information Appliances," *IEEE International Symposium on Consumer Electronics* (1997).
17. Chatterjee, Sandeep, Masters Thesis, "Asynchronous Event Handling," Massachusetts Institute of Technology Technical Report (May 1997).
18. Tennenhouse, David L. and Chatterjee, Sandeep, "The First 10 Feet: The Missing Story For Encouraging User Investment In Universal Broadband Connectivity" (October 1996).
19. Chatterjee, Sandeep and Faraboschi, Paolo, "The VLIW Trace Scheduling Compiler Visual Analysis System," Hewlett-Packard Laboratories Internal Technical Report (September 1995).
20. Chatterjee, Sandeep and Donohue, Richard J., "Electron Gamma Shower Windows 2," *International Conference on Monte Carlo Simulations in Nuclear & High Energy Physics* (February 1993).